

WHAT IS CLAIMED IS:

1. An inductor component, comprising:
a magnetic core comprising at least one gap;
an excitation coil disposed on said magnetic core so as to form a
magnetic path on said magnetic core; and
permanent magnets disposed near at least one of said gaps;
wherein said permanent magnet is disposed across from a first soft
magnetic material piece formed of a soft magnetic material which has smaller
permeability and less eddy current loss than said magnetic core.
2. An inductor component according to claim 1, wherein one edge
face of said permanent magnets is joined each to both side faces at the end
forming at least one gap of said magnetic core with said first soft magnetic
material piece introduced therebetween, and further wherein between other
edge faces of said both permanent magnets are connected by a second soft
magnetic material piece formed of a soft magnetic material which has smaller
permeability and less eddy current loss than said magnetic core.
3. An inductor component according to claim 1, wherein said gap is
formed of one U-shaped magnetic core.
4. An inductor component according to claim 1, wherein a plurality of
said gaps are formed between a pair of magnetic cores.
5. An inductor component according to claim 4, wherein said gaps are
formed on each abutting edge face of C-type cores.
6. An inductor component according to claim 1, wherein said inductor
component is used for a choke coil.

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